ABSTRACT

An optical detection device for a counter, comprising a consumption indicator, formed from a rotating target (4) and optical elements of the emitter type and receiver type, at least one of which is opposite the target, the received optical signal from which is used to infer the number of rotations of the disc. The above comprises at least two optical elements (6A, 6B) of one type and at least one optical element (7) of the other type. The target (4A) is an opaque disc section with a centre angle, called the first angle (γ), of 45 to 225°. The two optical elements of one type (6A, 6B) are emitter elements of a beam of light, the beam of light lies outside the target (4) and the device further comprises at least one mirror (4A, 4B), reflecting each optical beam onto the target trajectory.